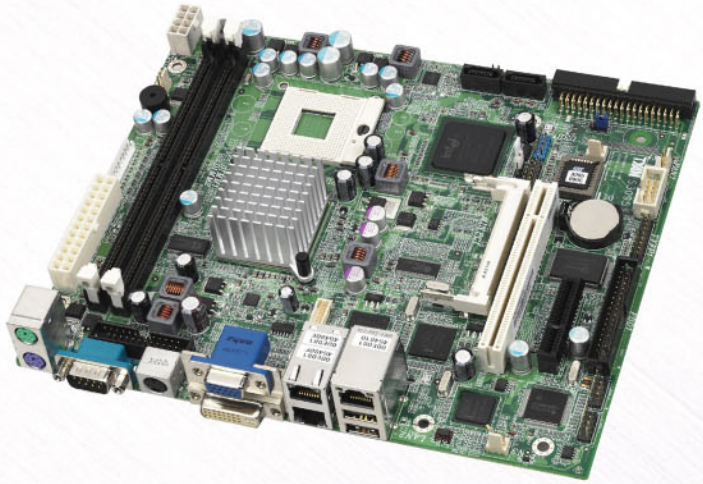
TYAN

www.tyan.com

Embedded Platforms



Tomcat i945GM

S3095G3NR

Low Power Intel® Core™Duo Flex ATX solution

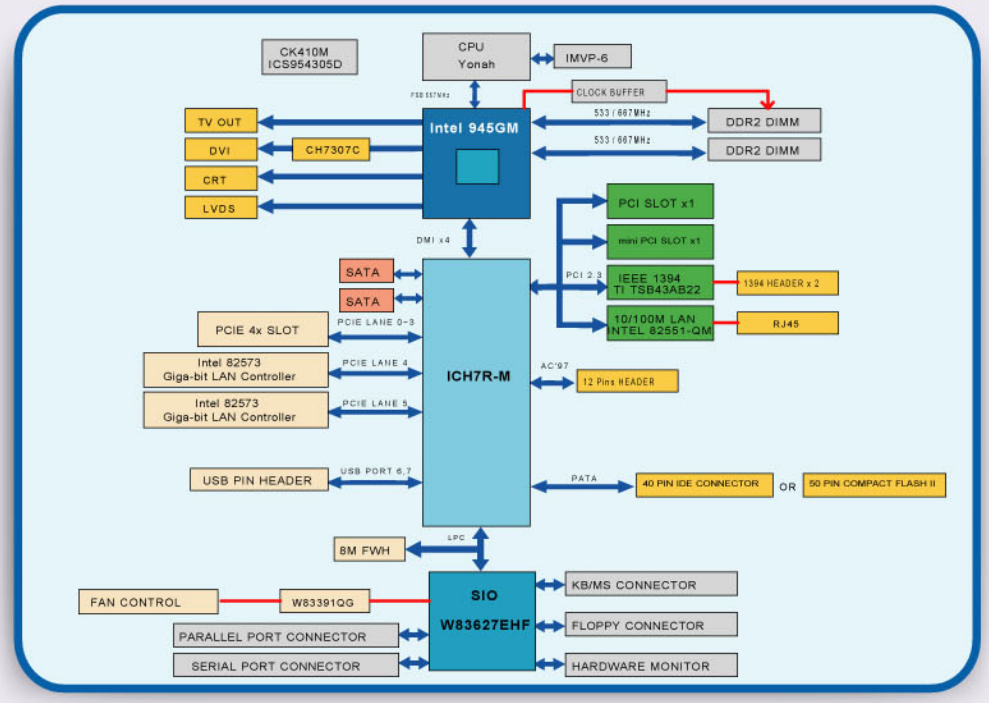
- Compact size (Flex ATX: 9"x7.5") for various application
- Socket 479 supports Intel® Core 2 Duo,Core Duo,Core solo,Celeron M CPU;FSB support 533/677 MHz
- Intel® 945GM/ICH7M chipset
- Supports Two GbE LAN and 10/100M LAN
- Supports Unbuffered DDR2 667/533/400MHz (up to 2GB)
- Expansion Slot: 1 PCI-E x4, 1 PCI, 1 Mini-PCI, 1 CF type II socket

(Specifications are subject to change without notice. Items pictured may only be representative.)

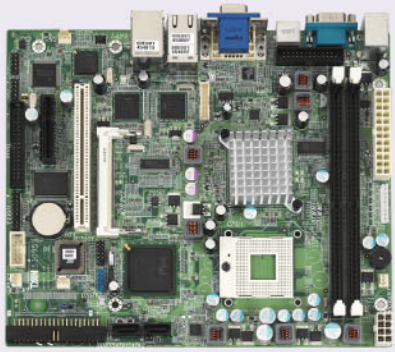
Tomcat i945GM

S3095G3NR

Block Diagram



TOP View



SPECIFICATIONS

Processors
- Single Socket 479 supports Intel® Mobile CPU:
  - Core™ 2 Duo w/ 4M L2, up to 2.33GHz (667)
  - Core™ 2 Duo w/ 2M L2, up to 1.83GHz (667)
  - Core™ Duo w/ 2M L2, up to 2.33GHz (667)
  - Core™ Duo ULV w/ 2M L2, up to 1.2GHz (533)
  - Core™ Solo w/ 2M L2, up to 1.83GHz (667)
  - Celeron™ M w/ 1M L2, up to 2GHz (533)

Memory
- Dual channel memory bus
- (2) 240-pin DDR2 sockets, support up to 2GB Unbuffered DDR2-667/533/400 non-ECC mem.

Chipset
- Intel® 945GM memory controller hub
- Intel® ICH7M-DH I/O controller hub

Expansion Slots
- (1) PCI-E x4 slot
- (1) PCI 33MHz 32-bit slot
- (1) Mini-PCI slot

Back Panel I/O Ports
- (1) Serial port with D-Sub connector
- (1) 15-pin VGA connector
- (1) DVI-D connector
- (2) Stacked USB 2.0 ports
- (2) GbE LAN ports and (1) FE LAN port
- (1) Dual PS/2 connector
- Printer port (via cable)

Integrated LAN Controllers
- (2) Intel® 82573V PCI-E single port GbE controllers
- (1) Intel® 82551QM 10/100 LAN controller

Integrated Serial ATA
- (2) SATA ports from ICH7M-DH
- Supports RAID 0, 1 and AHCI

System Management
- Total of three 3-pin fan headers w/ control and tachometer monitoring
- Monitor voltage of CPU, memory, & Power Supply
- Monitor CPU temperature & environment
- Pin header for Fault LED, Power/Suspend LED & HDD activity LED
- One pin header for Chassis Intrusion detection
- Supports Watch Dog Timer

Integrated Video
- Integrated graphics support
- (2) Serial digital video out port (SDVO) interface support for DVI-D, LVDs

Integrated I/O Interfaces
- (1) 40-pin IDE connector or (1) 50-pin Compact Flash Type II connector (see available models)
- (1) pin header for USB ports (two USB 2.0 devices)
- (2) 1394a pin headers (FireWire headers)
- (1) Shrouded headers for serial port
- (1) pin header for SMBUS connection
- (1) LVDS connector; (1) FDD connector
- (1) PFIO, (1) PF-Audio, and (1) CD-in header

BIOS
- Award BIOS on 8Mbit Flash ROM
- Supports WoL and PXE
- Supports boot from USB device
- Power-on mode control for AC power loss recovery

Accessory
- Bracket with line-in (S/PDIF) / line-out (S/PDIF) / Mic-in and Phone (Realtec ALC888)

Form Factor
- Flex ATX footprint (9" x 7.5"; 229 x 191mm)

Regulatory
- FCC Class B, CE (Declaration of Conformity)

TYAN COMPUTER CORP.

Tyan Computer USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Tyan Computer Taiwan
Tel: +886-2-8751-2200
Fax: +886-2-8797-2767

Tyan Computer Germany
Tel:+49 89 3185980 00
Fax: +49 89 31609236

Tyan Computer UK
Tel:+44 (0)870 027 2881

Tyan Computer China
Tel:+86-010-62555015

Tyan Computer Japan
Tel: +81-3-3837-7580
Fax: +81-3-3837-7581